Sl. N	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
4	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)								
	Bed Concrete	Cum							
	for Raising /flagging								
	Kodigehallimain road to SWD		2	285	0.35	0.100	19.95		
	SWD to Muneshwara main road		2	110	1.10	0.150	36.30		
	cross road		1	36	4	0.15	21.60		
	Culverts		4	6.60	2.00	0.150	7.92		
							85.77	5348.76	**458763.15**
	Basic rate	**5046.00**							
	Area Weightage 6%	**302.76**							
	Final Rate	**5348.76**							
5	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)								
	Culverts	Cum	8	6.60	0.60	0.85	26.93		
							26.93	4438.22	**119521.26**
	Basic rate	**4187.00**							
	Area Weightage 6%	**251.22**							
	Final Rate	**4438.22**							
6	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.25, I.No.5.26.2 of PW, P&IWTD SR 2016-17)								
	Kodigehallimain road to SWD	Sqm	2	285.00	--	0.20	114.00		
							114.00	961.42	**109601.88**
	Basic rate	**907**							
	Area Weightage 6%	**54.42**							
	Final Rate	**961.42**							
7	KSRB 5-11 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.25, I.No.5.8 of PW, P&IWTD SR 2016-17)								
	Kodigehallimain road to SWD	Sqm	2	285.00	--	0.20	114.00		
							114.00	758.96	**86521.44**
	Basic rate	**716.00**							
	Area Weightage 6%	**42.96**							
	Final Rate	**758.96**							

Sl. N	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
8	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)								
	Culverts	Sqm	8	6.60	--	0.85	44.88		
							44.88	102.82	4614.56
	Basic rate	**97**							
	Area Weightage 6%	**5.82**							
	Final Rate	**102.82**							
9	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)								
	Coping	Cum							
	Kodigehallimain road to SWD		2	285.00	0.150	0.075	6.41		
			2	285.00	0.150	0.075	6.41		
	Culverts		8	6.60	0.60	0.100	3.17		
	slope concrete for drain(protection)								
	Kodigehallimain road to SWD	0.5	2	285.00	0.30	0.100	8.55		
		0.5	2	110.00	0.30	0.100	3.30		
	Culverts	0.5	4	6.60	0.30	0.100	0.40		
	cross road	0.5	1	36.00	0.30	0.100	0.54		
							27.84	5767.46	160566.09
	Basic rate	**5441.00**							
	Area Weightage 6%	**326.46**							
	Final Rate	**5767.46**							
10	Providing laying palin / reinforced cement concrete for Box Drain walls of thicknes 10cm to 20 cm including cenmtering shuttering form work etc. complete as per approved drawiong and design MORTH Specification No. 1500,1700,2200 PCC M 20 Grade upto 0.75 m height using concrete mixture (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17)								
	RCC drain	Cum							
	Bottom Slab								
	SWD to Muneshwara main road		2.00	110.00	0.90	0.15	29.70		
	Side Walls								
	SWD to Muneshwara main road		4.00	110.00	0.15	0.85	56.10		
							85.80	11032.48	946586.78
	Basic rate	**10408.00**							
	Area Weightage 6%	**624.48**							
	Final Rate	**11032.48**							
11	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)								
	Consider 55Kgs/cum for item No. only RCC Drain Qty	Tonne		85.80	0.055	--	4.72		
							4.72	64243.42	303228.94
	Basic rate	**60607.00**							
	Area Weightage 6%	**3636.42**							

Sl. N	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
12	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	Kodigehallimain road to SWD		2	285.00	0.90	--	513.00		
	SWD to Muneshwara main road		2	110.00	0.90	--	198.00		
							711.00	1834.00	1303974.00
	DATA RATE =1834								
13	Providing and fixing **RCC Precast cover slab of250 mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	Culverts		4	6.60	1.80		47.52		
							47.52	5111.00	242874.72
	DATA RATE =5111								
14	Cement concrete pavement.Construction of un-reinforced Rain concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing).								
		Cum							
	cross road		1.00	36.00	4.00	0.10	14.40		
							14.40	6217.96	89538.62
	Basic rate	5866.00							
	Area Weightage 6%	351.96							
	Final Rate	6217.96							
15	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)								
	cross road	Sqm	1.00	36.00	4.00	--	144.00		
							144.00	95.40	13737.60
	Basic rate	90.00							
	Area Weightage 6%	5.40							
	Final Rate	95.40							
								Total Construction Cost	4052332.20
16								**Cost towards PMC / Third Party inspection LS**	40524.00
17								**Tender Premium10%**	405233.22
								Sub Total	4498089.42
18								**Miscellaneous and rounding off**	1910.58
								Total	4500000.00

ADMINISTRATIVE APPROVAL
Accorded For Rs. Forty four lakhs only
Head of A/c P-3333
Date 27/01/18
AE
EE(BTP)

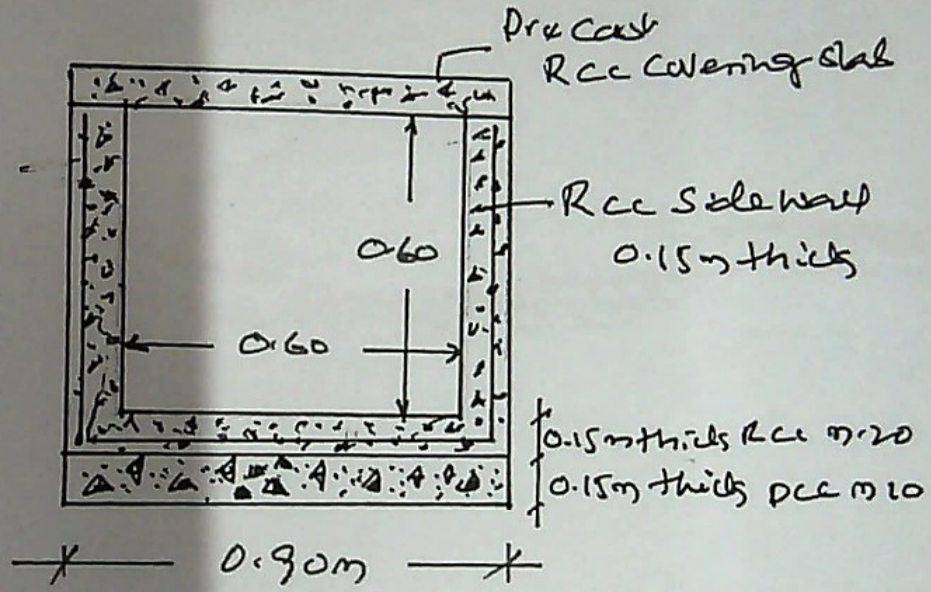
Technical Sanction
Accorded For Rs. Forty four lakhs only
Head of A/c P-3333
CER NO TS/561/17-18 Dt. 27.01.18
TA / JE (YNR)

Certificate.

1 *The workspot was inspected and work is found to be necessary.*
2 *The area comes within the Bruhat Bangalore Mahanagara Palike limits.*
3 *The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.*
4 *The provisions made in the estimate are necessary and essential.*

Assistant Engineer | Assistant Executive Engineer | Executive Engineer
Executive Engineer
Byatarayanapura Division
27/01

NAME OF WORK:- Improvements to roads, drains, and culverts at Angala parameshwari temple and surroundings at Bodigehalli ward no. 8



W-08

BRUHAT BANGALORE MAHANAGARA PALIKE

Project:Improvements to roads,drains and culverts at Angalaparameshwari temple and Surroundings at Kodigehalli Ward No 8

Est Cost: =45.0Lakhs

Sl. N	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)								
	Angalaparmeshwari Temple road	Cum							
	Kodigehallimain road to SWD		2	285	0.50	0.60	171.00		
	SWD to Muneshwara main road		2	110	1.10	1.20	290.40		
	Culverts		4	6.6	2.00	1.05	55.44		
	cross road		1	36.00	0.50	0.55	9.90		
							526.74	186.92	98458.24
	Basic rate	**82.00**							
	Loading and unloading with 10km lead= 68+2.5x1.28x10 = 100	**100.00**							
	Area Weightage 6%	**4.92**							
	Final Rate	**186.92**							
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)								
	BS Slab Drain	Sqm							
	Angalaparmeshwari Temple road								
	Kodigehallimain road to SWD		2	150.0	1.35	–	405.00		
	Consider 25% Missing slabs and damaged slabs						-101.25		
	cross road		1	36	1.80	–	64.80		
	Consider 40% Missing slabs and damaged slabs						-25.92		
							368.55	80.56	29690.39
	Basic rate	**76.00**							
	Area Weightage 6%	**4.56**							
	Final Rate	**80.56**							
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)								
		Sqm							
	Consider 25% Missing slabs and damaged slabs						101.25		
	Consider 40% Missing slabs and damaged slabs						25.92		
							127.17	665.68	84654.53
	Basic rate	**628.00**							
	Area Weightage 6%	**37.68**							
	Final Rate	**665.68**							